

CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number _____

Meeting Type: Regular

Meeting Date: 9/27/2012

Action Requested By:
Landscape
Management

Agenda Item Type
Resolution

Subject Matter:

Resolution authorizing the City of Huntsville to enter into a contract with Aqua Services, Inc. to conduct a one-time treatment program for Lake #5.

Exact Wording for the Agenda:

Resolution authorizing the City of Huntsville to enter into a contract with Aqua Services, Inc. to conduct a one-time treatment program for Lake #5 located in Research Park off of Governors West.

Note: If amendment, please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what Council action will provide, allow and accomplish and; any other information that might be helpful.

The aquatic herbicide application will eliminate the aquatic weed infestation in this lake, therefore, reducing the amount of mosquitoes and other vector. It will also improve the water quality and aesthetics of the lake.

Associated Cost: \$9,984.30

Budgeted Item: Not applicable

MAYOR RECOMMENDS OR CONCURS: Select...

Department Head: Jay Hmcke

Date: 9-17-12

ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: Landscape Management Council Meeting Date: 9/27/2012

Department Contact: Joy McKee Phone # 427-5048

Contract or Agreement: Agreement between the City of Huntsville and Aqua Services, Inc.

Document Name: Agreement Aqua Services, Inc.

City Obligation Amount: \$9,984.30

Total Project Budget:

Uncommitted Account Balance:

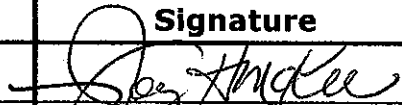
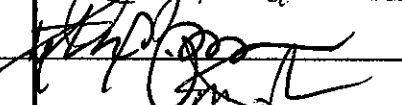


Account Number: 24-6500-0308-4202

Procurement Agreements

<u>Select...</u>	<u>Select...</u>
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Grant-Funded Agreements

<u>Select...</u>	Grant Name: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
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Department	Signature	Date
1) Originating		9-17-12
2) Legal		9-26-12
3) Finance 		9/26/12
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO 12-_____

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and he is hereby authorized to enter into an Agreement by and between the City of Huntsville and Aqua Services, Inc. on behalf of the City of Huntsville, a municipal corporation in the State of Alabama, which said document is substantially in words and figures similar to that certain document attached hereto and identified as "Resolution authorizing the Mayor to enter into an Agreement between the City of Huntsville and Aqua Services, Inc.," consisting of two(2)pages and the date of September 27, 2012, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, an executed copy of said document being permanently kept on file in the Office of the City Clerk-Treasurer of the City of Huntsville, Alabama.

ADOPTED this the 27th day of September, 2012.

President of the City Council of
the City of Huntsville, Alabama

APPROVED this the 27th day of September, 2012.

Mayor of the City of
Huntsville, Alabama

Aquatic Weed Control Proposal – City of Huntsville – Lake # 5 – Huntsville, Alabama

Prepared July 17th, 2012

Introduction / Observations:

Aquatic weeds are a worldwide problem that adversely impact thousands of water bodies. At times, these plant infestations are known to impede navigation, negatively impact aesthetics, fishing and other recreational pursuits, reduce water quality, and create ideal breeding habitat for mosquitoes and other disease-bearing vectors. It is also documented that aquatic weeds have contributed to **swimmer entanglement and death by drowning**.

Presently, two aquatic plant species are creating a nuisance on Lake #5 which is owned by the City of Huntsville, Alabama. The dominant submersed species present is Eurasian watermilfoil (*Myriophyllum spicatum* L.), and it presents nearly 100% frequency throughout the lake. American lotus (*Nelumbo lutea*), a floating-leaved, emergent species, is also present and poses a significant problem throughout the area of the lake. Since the weed-eating grass carp does not efficiently maintain either of these species, it is apparent that a herbicidal application will be required for maintenance of Lake #5.

Proposal For Herbicidal Treatment of Invasive Aquatic Weeds

Lake # 5 has been measured using Google-Earth Pro satellite imagery, and has been determined to be approximately 17.5 acres in size.

As an initial step, since Eurasian watermilfoil and American lotus both respond to the aquatic herbicide Navigate (butoxyethanol ester of 2,4-D) at similar rates, it is recommended that the lake be treated with this product at a rate of 150 lbs./acre. Although Navigate is a 2,4-D product, no off-site or non-target plant considerations are necessary since it is a granular formulation. Navigate is labeled by EPA for use in aquatic sites, and has been determined safe for use in aquatic environments. A Label and MSDS sheet are attached. It is also recommended that the lotus be sprayed simultaneously using an aquatic glyphosate for additional systemic action and root kill.

Treatment Approach

The application of 150 pounds of Navigate granules per acre and the glyphosate for lotus should be performed as soon as possible. Certified and/or licensed Aqua Services' applicators would apply the 2625 pounds of granules using an airboat-mounted granular spreader. The glyphosate product would be applied at permitted and recommended rates using a traditional pumping spray system.

It is expected that control will be achieved for the remainder of the 2012 growing season, and possibly through the 2013 season. If the watermilfoil and lotus re-appear during 2013, a re-treatment may be necessary. However, if a re-treatment is required, it will likely be a "spot-treatment" approach and should cost significantly less.

President of the City Council of the
City of Huntsville, Alabama
Date: _____

Vegetation Management Conclusions

In conclusion, Navigate (granular 2,4-D) herbicide trade) should be applied to Lake #5 owned by the City of Huntsville, Alabama to control Eurasian watermilfoil and American lotus. A rate of 150 pounds per surface acre is recommended. Glyphosate aquatic herbicide (Refuge) should also be applied to exposed leaves of the American lotus. It is expected that season-long control will be achieved by this method, with the possibility of two seasons of control.

Charges

Aqua Services will provide all labor, equipment, and herbicidal materials to conduct the one-time treatment program as described above for \$9984.30.

Offered _____ (Terry Goldsby)
For Aqua Services, Inc.

Accepted _____
City of Huntsville, Alabama